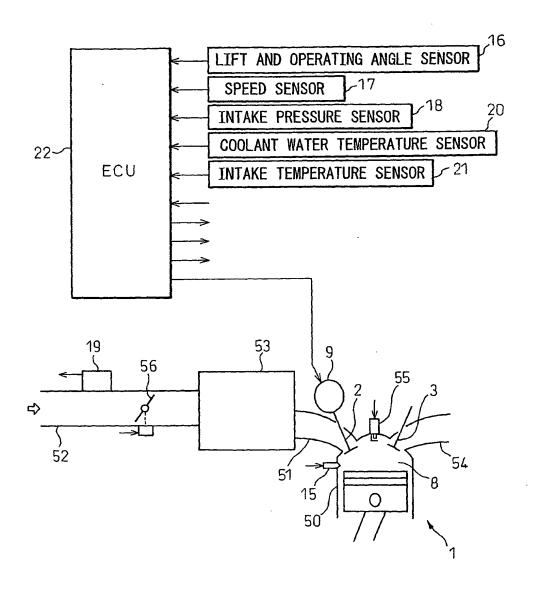
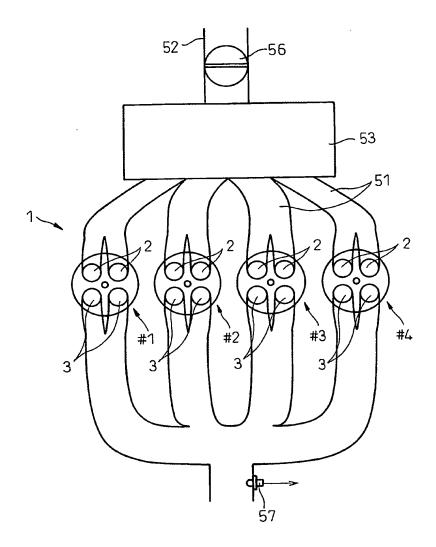
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Fig.1



²/13

Fig.2





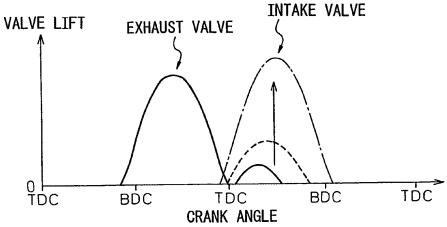


Fig.4

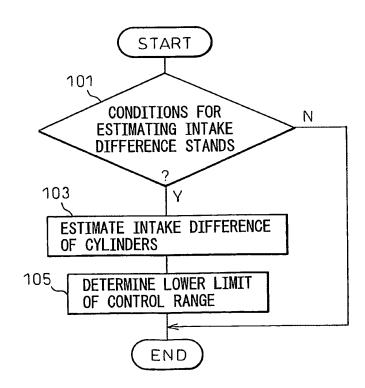


Fig.5a

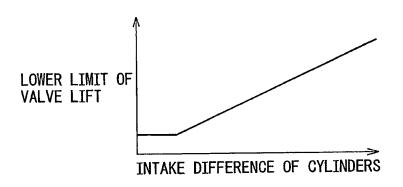
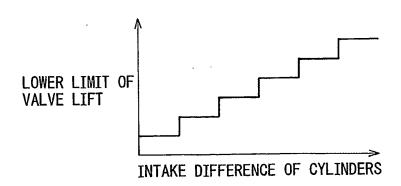


Fig.5b



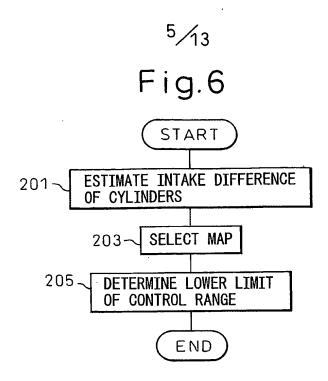
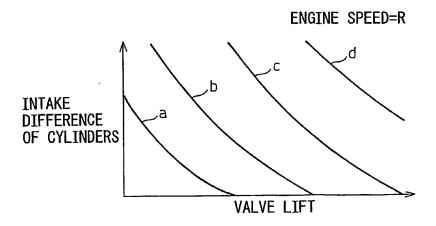
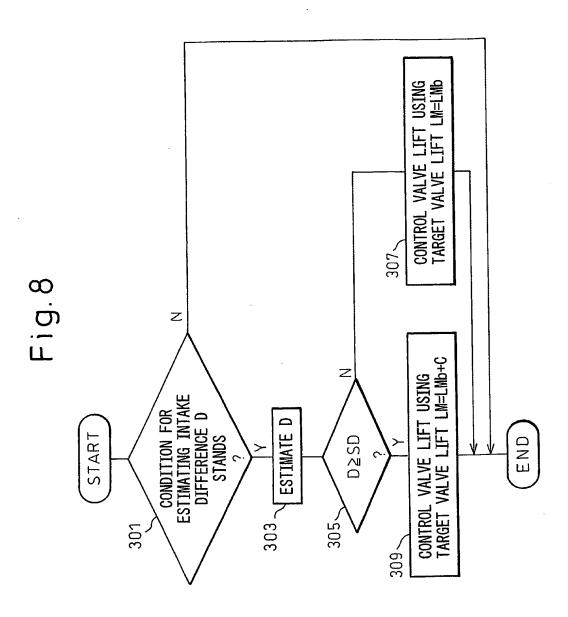


Fig.7





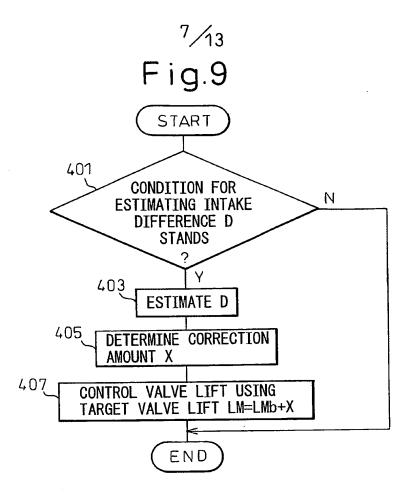
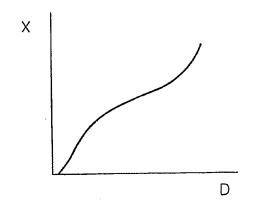
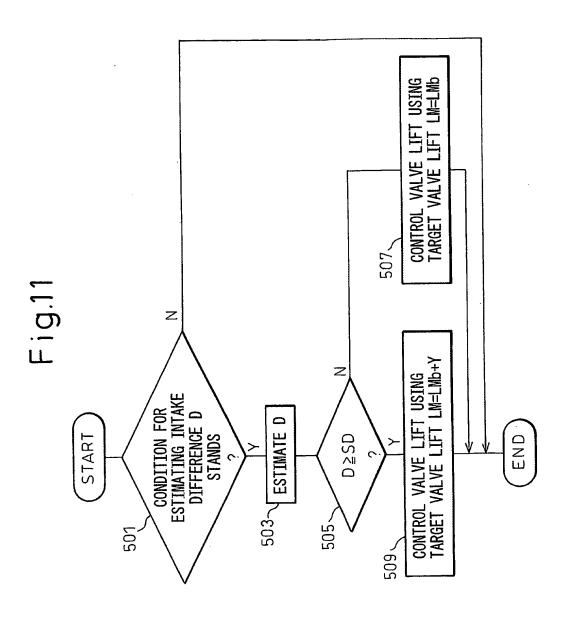
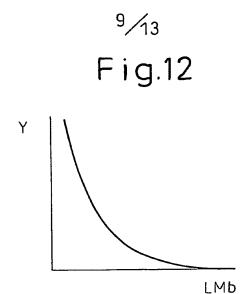


Fig.10







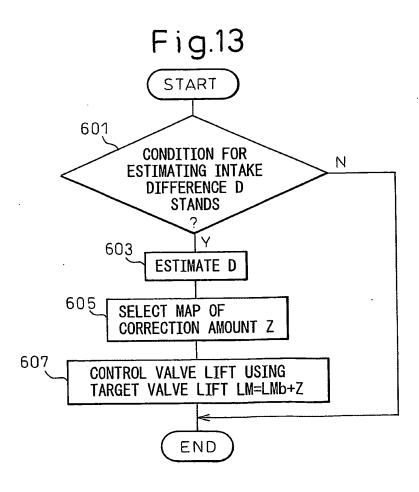


Fig.14

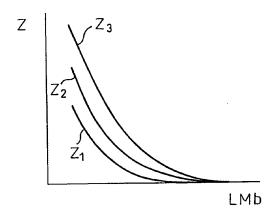


Fig.15

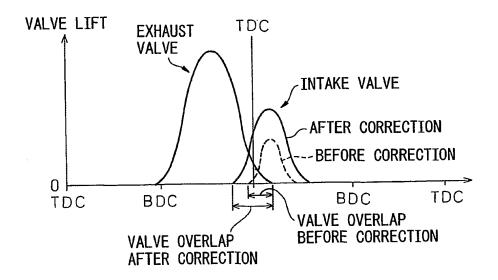
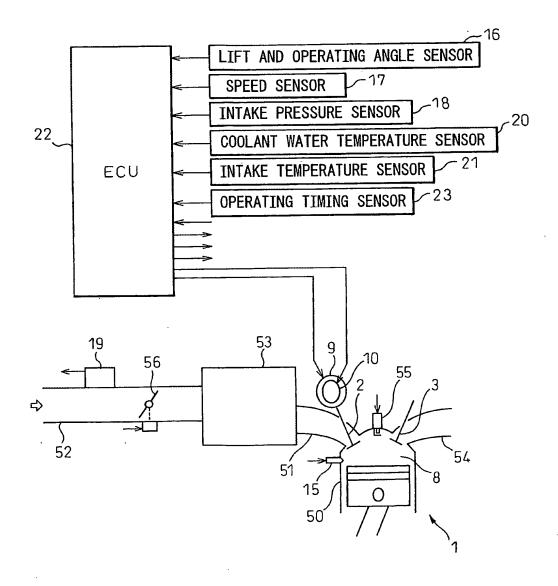
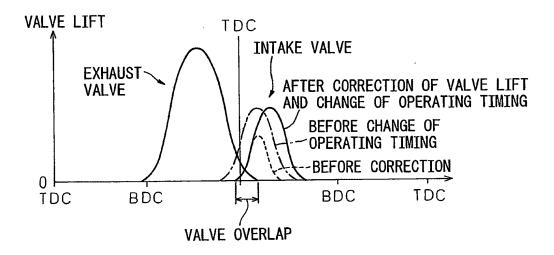


Fig.16



 $\frac{12}{13}$

Fig.17



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LIST OF REFERENCES

- 1... internal combustion engine body
- 2... intake valve
- 3... exhaust valve
- 8... combustion chamber in cylinder
- 9... valve lift changing device
- 10... operating timing changing device
- 56... throttle valve
- 57... air-fuel ratio sensor